

1
SEQUENCE LISTING

<110> CHIOU, SHYH-HORNG

<120> FIBRINOGENOLYTIC PROTEASES WITH THROMBOLYTIC AND
ANTIHYPERTENSIVE ACTIVITIES FROM TAIWAN HABU: MEDICAL
APPLICATION AND NOVEL PROCESS OF EXPRESSION AND
PRODUCTION

<130> 4910-9

<140> 09/939,126
<141> 2001-08-24

<160> 18

<170> PatentIn Ver. 2.1

<210> 1
<211> 69
<212> DNA
<213> Unknown Organism<220>
<223> Description of Unknown Organism: Venom gene
construct<220>
<221> CDS
<222> (1)..(69)<400> 1
atg aga gga tcg cat cac cat cac cat cac gga tcc gat gac gat gac 48
Met Arg Gly Ser His His His His His His Gly Ser Asp Asp Asp Asp
1 5 10 15aaa gtc att gga ggt gat gaa 69
Lys Val Ile Gly Gly Asp Glu
20<210> 2
<211> 63
<212> DNA
<213> Unknown Organism<220>
<223> Description of Unknown Organism: Venom gene
construct<220>
<221> CDS
<222> (1)..(63)<400> 2
atg aga gga tcg cat cac cat cac cat cac gga tcc ttc ctg cgt gtc 48
Met Arg Gly Ser His His His His His His Gly Ser Phe Leu Arg Val
1 5 10 15

att gga ggt gat gaa	63
Ile Gly Gly Asp Glu	
20	

<210> 3	
<211> 63	
<212> DNA	
<213> Unknown Organism	
<220>	
<223> Description of Unknown Organism: Venom gene	
construct	
<220>	
<221> CDS	
<222> (1)..(63)	

<400> 3	
atg aga gga tcg cat cac cat cac gga tcc ttc gtc cgt gtc	48
Met Arg Gly Ser His His His His His Gly Ser Phe Val Arg Val	
1 5 10 15	

att gga ggt gat gaa	63
Ile Gly Gly Asp Glu	
20	

<210> 4	
<211> 63	
<212> DNA	
<213> Unknown Organism	
<220>	
<223> Description of Unknown Organism: Venom gene	
construct	
<220>	
<221> CDS	
<222> (1)..(63)	
<400> 4	
atg aga gga tcg cat cac cat cac gga tcc ttc ccg cgt gtc	48
Met Arg Gly Ser His His His His His Gly Ser Phe Pro Arg Val	
1 5 10 15	

att gga ggt gat gaa	63
Ile Gly Gly Asp Glu	
20	

<210> 5	
<211> 63	
<212> DNA	
<213> Unknown Organism	

```

<220>
<223> Description of Unknown Organism: Venom gene
      construct

<220>
<221> CDS
<222> (1)..(63)

<400> 5
atg aga gga tcg cat cac cat cac cat cac gga tcc ccg ttc cgt gtc 48
Met Arg Gly Ser His His His His His His Gly Ser Pro Phe Arg Val
 1           5           10           15

att gga ggt gat gaa
Ile Gly Gly Asp Glu
 20

<210> 6
<211> 63
<212> DNA
<213> Unknown Organism

<220>
<223> Description of Unknown Organism: Venom gene
      construct

<220>
<221> CDS
<222> (1)..(63)

<400> 6
atg aga gga tcg cat cac cat cac cat cac gga tcc ctg ttc cgt gtc 48
Met Arg Gly Ser His His His His His His Gly Ser Leu Phe Arg Val
 1           5           10           15

att gga ggt gat gaa
Ile Gly Gly Asp Glu
 20

<210> 7
<211> 23
<212> PRT
<213> Unknown Organism

<220>
<223> Description of Unknown Organism: Venom amino
      acid sequence

<400> 7
Met Arg Gly Ser His His His His His His Gly Ser Asp Asp Asp Asp
 1           5           10           15

Lys Val Ile Gly Gly Asp Glu
 20

```

<210> 8
<211> 21
<212> PRT
<213> Unknown Organism

<220>
<223> Description of Unknown Organism: Venom amino acid sequence

<400> 8
Met Arg Gly Ser His His His His His Gly Ser Phe Leu Arg Val
1 5 10 15

Ile Gly Gly Asp Glu
20

<210> 9
<211> 21
<212> PRT
<213> Unknown Organism

<220>
<223> Description of Unknown Organism: Venom amino acid sequence

<400> 9
Met Arg Gly Ser His His His His His Gly Ser Phe Val Arg Val
1 5 10 15

Ile Gly Gly Asp Glu
20

<210> 10
<211> 21
<212> PRT
<213> Unknown Organism

<220>
<223> Description of Unknown Organism: Venom amino acid sequence

<400> 10
Met Arg Gly Ser His His His His His Gly Ser Phe Pro Arg Val
1 5 10 15

Ile Gly Gly Asp Glu
20

<210> 11
<211> 21
<212> PRT
<213> Unknown Organism

<220>
<223> Description of Unknown Organism: Venom amino

acid sequence

<400> 11
 Met Arg Gly Ser His His His His His Gly Ser Pro Phe Arg Val
 1 5 10 15
 Ile Gly Gly Asp Glu
 20

<210> 12
 <211> 21
 <212> PRT
 <213> Unknown Organism

<220>
 <223> Description of Unknown Organism: Venom amino
 acid sequence

<400> 12
 Met Arg Gly Ser His His His His His Gly Ser Leu Phe Arg Val
 1 5 10 15
 Ile Gly Gly Asp Glu
 20

<210> 13
 <211> 39
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 13
 gcggatccga tgacgatgac aaagtcatgg gaggtgatg

39

<210> 14
 <211> 33
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<220>
 <221> modified_base
 <222> (9)..(17)
 <223> Autolytic recognition site

<400> 14
 gcggatccnn nnnnnnnngtc attggaggtg atg

33

0

<210> 15
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 15
gcctgcagtc acagggggca ggttac

26

<210> 16
<211> 4
<212> PRT
<213> Unknown Organism

<220>
<223> Description of Unknown Organism: Venom derived
peptide

<400> 16
Asp Arg Val Tyr
1

<210> 17
<211> 4
<212> PRT
<213> Unknown Organism

<220>
<223> Description of Unknown Organism: Venom derived
peptide

<400> 17
Ile His Pro Phe
1

<210> 18
<211> 8
<212> PRT
<213> Unknown Organism

<220>
<223> Description of Unknown Organism: Venom derived
peptide

<400> 18
Asp Arg Val Tyr Ile His Pro Phe
1 5